

Rabbit MUT Polyclonal Antibody | anti-MUT antibody

MUT Antibody (Center)

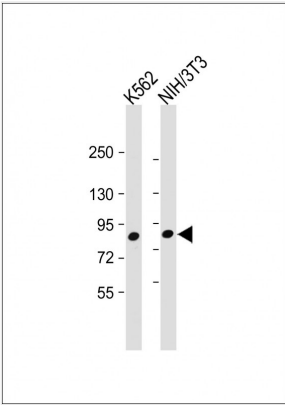
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290913	Rabbit	Human, Mouse Predicted: Human	ELISA, Western Blot, Immunofluorescence

PRODUCT SYNONYMS

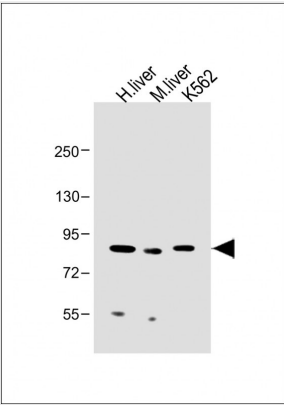
MUT; Polyclonal Antibody; MUT Antibody (Center); Purified Rabbit Polyclonal Antibody (Pab); Methylmalonyl-CoA mutase; mitochondrial; MCM; 5.4.99.2; Methylmalonyl-CoA isomerase; anti-MUT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This MUT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 492-526 amino acids from the Central region of human MUT.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	750
Applicable Applications for anti-MUT antibody	ELISA, WB (Western Blot), IF (Immunofluorescence)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Cellular Location	Mitochondrion matrix.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
All lanes : Anti-MUT Antibody (Center) at 1:2000 dilution
Lane 1: K562 whole cell lysate
Lane 2: NIH/3T3 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 83 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
All lanes : Anti-MUT Antibody (Center) at 1:2000 dilution
Lane 1: Human liver lysate
Lane 2: Mouse liver lysate
Lane 3: K562 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MUT antibody	Involved in the degradation of several amino acids, odd- chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle. MCM has different functions in other species.
Product Categories/Family for anti-MUT antibody	Primary Antibodies; Metabolism; Signal Transduction
References	Jansen R.,et al.Genomics 4:198-205(1989). Nham S.U.,et al.Genomics 8:710-716(1990). Ota T.,et al.Nat. Genet. 36:40-45(2004). Kalnine N.,et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Mungall A.J.,et al.Nature 425:805-811(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	156105689
NCBI GeneID	4594
NCBI Accession #	NP_000246.2
NCBI GenBank Nucleotide #	NM_000255.3
UniProt Accession #	P22033; Q5SYZ3; Q96B11; Q9UD64; A8K953
Molecular Weight	83134
NCBI Official Full Name	methyImalonyl-CoA mutase, mitochondrial
NCBI Official Synonym Full Names	methyImalonyl-CoA mutase
NCBI Official Symbol	MUT
NCBI Official Synonym Symbols	MCM
NCBI Protein Information	methyImalonyl-CoA mutase, mitochondrial
UniProt Protein Name	MethyImalonyl-CoA mutase, mitochondrial
UniProt Gene Name	MUT
UniProt Synonym Gene Names	MCM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

